

# Eco-Shield Water Meat Applications



## ECO-SHIELD CHEMICAL FREE WATER SANITATION

Eco-Shield is our new concept for building a fortress of safety around your products, your plant and staff and our innovative Chemical Free Water Sanitation System is a foundation of this.

Key Diagnostics believes that protecting the health and safety of everyone, including our planet, is paramount.

Our desire isn't just to provide substitutes but to find solutions that are greener and safer whilst providing scalable improvements that lower costs.

## Raw & RTE Meat Applications

- Spray Disinfection
- Brine Chiller Disinfection
- CIP Disinfection
- Injector Disinfection
- Packaging Disinfection
- General Sanitation
- Chemical Free Sanitiser Replacement
- Spatial Disinfection - Fogging & Misting
- Ice/Storage Disinfection
- Hide Cleaning / Carcass Wash
- Feedlot drink water treatment
- Wastewater treatment



# Meat Applications - From the Farm to the Fork.

The use of hypochlorous acid in red meat production provides a safe, effective and sustainable solution for pathogen control. Its application throughout the production chain enhances animal health, biosecurity and product quality, while reducing the reliance on antibiotics and harmful chemicals. This results in higher efficiency, lower costs and safer poultry products for consumers.



## Feedlot Applications

- Drinking water treatment
- Kills bacteria and viruses in the water - 7 log in 30 secs
- Reduces antibiotic usage
- Provides growth promotion by reducing pathogens
- Prevents biofilm formation in water lines and troughs
- Chemical free sanitation
- Safe for animal contact



## Transportation Vehicles for Animals

- Cleaning trucks and other means to transport animals
- HOCl is a safe and efficient in disease and pathogen control without the use of hazardous chemicals
- It is non-corrosive and safe for vehicle and vehicle operators.



## Abattoirs and Meat Processing Plants

- Hide decontamination
- Carcass washing and decontamination
- Pre-evisceration and post-evisceration decontamination
- Chemical free equipment and plant sanitation
- Suitable for hand dip and sanitising stations
- Boot dips and apron washing stations
- USDA approved for meat contact without rinsing
- CIP Sanitation - Non-corrosive
- Potable and chiller water treatment
- Waste water treatment - Chemical free effluent
- Allows water recycle of contaminated water
- Spatial decontamination - Misting and fogging



## RTE Meat and Value Added Processing

- Brine recycling
  - Heavily contaminated brine can be safely recycled
  - Extending the life of brine and reducing costs
  - Reducing production downtime
  - Extending product shelf life
- Boot dips and apron washing stations
- USDA approved for meat contact without rinsing
- CIP Sanitation - Non-corrosive
- Potable and chiller water treatment
- Waste water treatment - Chemical free effluent
- Allows water recycle of contaminated water
- Spatial decontamination - Misting and fogging